

## SEQUENCE LISTING

<110> TAKARA BIO INC.

<120> Method of screening functional nucleotide molecule

<130> 664687

<150> JP 2003-307624

<151> 2003-08-29

<160> 28

<210> 1

<211> 907

<212> DNA

<213> Mus musculus

<400> 1

tagcatctcc gagagttaa agctgaggag gcggggtcat gaaactgata aaaactgctc 60  
agaaggatta tatcaaggag gcccatTTtg ctgtcaacca tgccaacctg gtaaaaaaaaa 120  
agttgaggac tgcaaaatga atgggggtac accaacctgt gcccctgca cagaagggaa 180  
ggagtacatg gacaagaacc attatgctga taaatgcaga agatgcacac tctgcatga 240  
agagcatggt ttagaagtgg aaacaaactg caccctgacc cagaatacca agtgcaagtg 300  
caaaccagac ttctactgcg atttctctgg ctgtgaacac tgtgttcgct ggcctctgtg 360  
tgaacatgga acccttgagc catgcacagc aaccagcaat acaaactgca ggaaacaaag 420  
tcccagaaat cgcctatggt tgttgacct ccttgTTTTg ttaattccac ttgtatttat 480  
atatcgaag taccggaaaa gaaagtgtg gaaaaggaga caggatgacc ctgaatctag 540  
aacctccagt cgtgaaacca taccaatgaa tgcctcaaat cttagcttga gtaaatacat 600  
cccgagaatt gctgaagaca tgacaatcca ggaagctaaa aaatttgctc gagaaaaata 660  
catcaaggag ggcaagatag atgagatcat gcatgacagc atccaagaca cagctgagca 720  
gaaagtccag ctgctcctgt gctggtacca atctcatggg aagagtgatg catatcaaga 780  
ttaatcaag ggtctcaaaa aagccgaatg tcgcagaacc ttagataaat ttcaggacat 840  
ggtccagaag gaccttgga aatcaacccc agacactgga aatgaaaatg aaggacaatg 900  
tctggag 907

<210> 2

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA2-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 2

gugcaagugc aaaccagact t

21

<210> 3

<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Chimeric oligonucleotide designed as RNA2-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 3  
gucugguuug cacuugcact t 21

<210> 4  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Chimeric oligonucleotide designed as RNA3-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 4  
agccgaaugu cgcagaacct t 21

<210> 5  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Chimeric oligonucleotide designed as RNA3-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 5  
gguucugcga cauucggcut t 21

<210> 6  
<211> 21  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Chimeric oligonucleotide designed as RNA4-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 6  
aagccgaaug ucgcagaact t 21

<210> 7  
<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA4-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 7

guucugcgac auucggcuut t 21

<210> 8

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA5-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 8

ggauuauauc aaggaggcct t 21

<210> 9

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA5-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 9

ggccuccuug auauaaucct t 21

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA6-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 10

aucgccuaug guuguugact t 21

<210> 11

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA6-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 11

gucaacaacc auaggcgaut t

21

<210> 12

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer to amplify a portion of mouse Fas gene.

<400> 12

cacagttaag agttcatatc

19

<210> 13

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer to amplify a portion of mouse Fas gene.

<400> 13

tggttgctgt gcatggctc

19

<210> 14

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer rsGFP-1 to amplify a portion of rsGFP gene.

<400> 14

cagtcacgac tctagaaaag gagaagaact cttcac

36

<210> 15

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer rsGFP-2 to amplify a portion of rsGFP gene.

&lt;400&gt; 15

cagtcacgac gctagcagtt gtacagttca tccatgcc

38

&lt;210&gt; 16

&lt;211&gt; 741

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; rsGFP gene

&lt;400&gt; 16

cagtcacgac tctagaaaag gagaagaact cttcactgga gttgtcccaa ttcttgttga 60  
 attagatggg gatgttaacg gccacaagtt ctctgtcagt ggagaggggtg aaggtgatgc 120  
 aacatacggg aaacttacc tgaagttcat ctgcactact ggcaaactgc ctgttccatg 180  
 gccaaacta gtcactactc tgtgctatgg tgttcaatgc ttttcaagat acccgatca 240  
 tatgaaacgg catgactttt tcaagagtgc catgcccga ggttatgtac aggaaaggac 300  
 catcttcttc aaagatgacg gcaactacaa gacacgtgct gaagtcaagt ttgaaggatga 360  
 tacccttgtt aatagaatcg agttaaagg tattgacttc aaggaagatg gcaacattct 420  
 gggacacaaa ttggaataca actataactc acacaatgta tacatcatgg cagacaaaca 480  
 aaagaatgga atcaaagtga acttcaagac ccgccacaac attgaagatg gaagcgttca 540  
 actagcagac cattatcaac aaaatactcc aattggcgat ggccctgtcc tttaccaga 600  
 caaccattac ctgtccacac aatctgccct ttcgaaagat cccaacgaaa agagagacca 660  
 catggctcct cttgagttg taacagctgc tgggattaca catggcatgg atgaactgta 720  
 caactgctag cgctgtgact g 741

&lt;210&gt; 17

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Chimeric oligonucleotide designed as RNA7-1. "nucleotides 1 to 19 are  
 ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 17

aagagagacc acauggucc t

21

&lt;210&gt; 18

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Chimeric oligonucleotide designed as RNA7-2. "nucleotides 1 to 19 are  
 ribonucleotides-other nucleotides are deoxyribonucleotides"

&lt;400&gt; 18

ggaccaugug gucucucuut t 21

<210> 19

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA8-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 19

gcguucaacu agcagaccat t 21

<210> 20

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA8-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 20

uggucugcua guugaacgct t 21

<210> 21

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA9-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 21

agagagacca caugguccut t 21

<210> 22

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Chimeric oligonucleotide designed as RNA9-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 22

aggaccaugu ggucucucut t 21

<210> 23  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Chimeric oligonucleotide designed as RNA10-1. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 23  
 guucucuguc aguggagagt t 21

<210> 24  
 <211> 21  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Chimeric oligonucleotide designed as RNA10-2. "nucleotides 1 to 19 are ribonucleotides-other nucleotides are deoxyribonucleotides"

<400> 24  
 cucuccacug acagagaact t 21

<210> 25  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Designed PCR primer GFP-B-F to amplify a portion of rsGFP gene.

<400> 25  
 gccacaacat tgaagatgga 20

<210> 26  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Designed PCR primer GFP-B-R to amplify a portion of rsGFP gene.

<400> 26  
 gaaagggcag attgtgtgga 20

<210> 27  
 <211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer Neo-F to amplify a portion of neomycin resistant gene.

<400> 27

atagcgttgg ctaccgtga 20

<210> 28

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Designed PCR primer Neo-R to amplify a portion of neomycin resistant gene.

<400> 28

gaaggcgata gaaggcgatg 20